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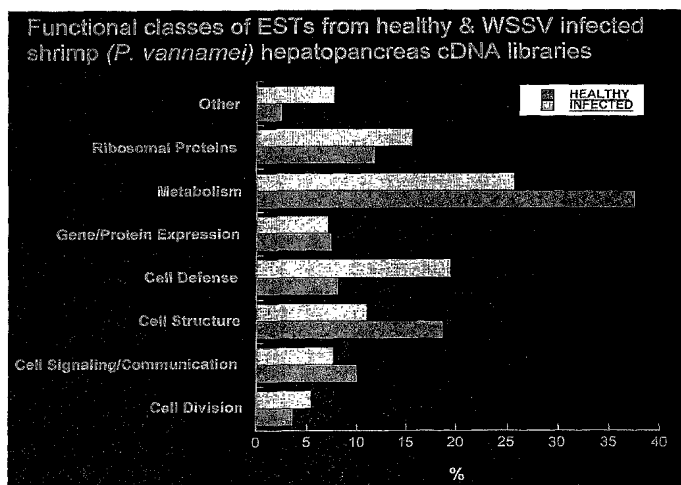
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(54) Title: DISEASE CONTROL IN SHRIMP

Graphical representation of "Function Classes of genes isolated from hepatopancreas cDNA libraries of healthy and WSSV infected shrimp (*P. vannamei*) that showed similarities with the GenBank database entries.



(57) Abstract: The invention pertains to the composition and methods of use of differentially expressed genes in crustaceans, particularly that of shrimp. Genes that have special significance to the ability of shrimp to combat viral disease are described and their selection, amplification, and application for useful purposes. Compositions are described that are useful in feeds, therapeutics, diagnostics, and research. Methods to reduce the effect of viral infection, especially of the white spot syndrome virus, are also described. The uses of the described genes to monitor and diagnose viral disease are also disclosed.

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